

# Report of Inspection/Test

## *Environmental Health & Safety*

January 01, 2000

**Property**

test  
James Field  
113 Draper Hall  
40 Campus Center Way  
University of Mass

**Owner/Agent**

Environmental Health & Safe

117 Draper Hall  
UMass at Amherst, MA 01003  
Tel. (413) 545-2682



**Conducted by:**

**Inspection Ref: 2537**

**Access**

**AHJ**

**Owner**

**Water Co**

James M. Field  
Environmental Health & S.  
545-5122

**Building Notes**

Key:

**Inspection Notes**

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## Environmental Health & Safety



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### Doors/Lab Safety Card

☐ Yes ☐ No ☐ N/A

Laboratory Safety Information Card is up to date.

☐ Yes ☐ No ☐ N/A

The Lab card indicates that biohazards are present in the lab. These are listed below.  
Other appropriate signs present (i.e., NFPA diamond, gases, flammables, oxidizers, etc.).

☐ Yes ☐ No ☐ N/A

☐ Yes ☐ No ☐ N/A

Door windows are not obstructed.

☐ Yes ☐ No ☐ N/A

Doorways are clear and not obstructed.

### Safety

☐ Yes ☐ No ☐ N/A

The drench shower is not obstructed.

☐ Yes ☐ No ☐ N/A

The drench shower has been properly tested.

☐ Yes ☐ No ☐ N/A

Eyewash station(s) is available.

☐ Yes ☐ No ☐ N/A

All eyewash stations are accessible.

☐ Yes ☐ No ☐ N/A

Eyewash stations are "flushed" weekly for at least 3 minutes.

☐ Yes ☐ No ☐ N/A

Fire extinguisher(s) located near lab doors.

☐ Yes ☐ No ☐ N/A

Fire extinguisher(s) not discharged or tampered with.

☐ Yes ☐ No ☐ N/A

Fire extinguisher(s) have current inspection dates.

☐ Yes ☐ No ☐ N/A

First Aid kit is available.

### Signs and Postings

☐ Yes ☐ No ☐ N/A

"CAUTION - EYE PROTECTION REQUIRED"

☐ Yes ☐ No ☐ N/A

Laboratory Safety Rules are posted.

☐ Yes ☐ No ☐ N/A

Emergency telephone numbers available.

☐ Yes ☐ No ☐ N/A

Emergency gas and electrical shutoffs are clearly labeled.

### General Housekeeping

☐ Yes ☐ No ☐ N/A

The laboratory is clean, neat, and orderly.

☐ Yes ☐ No ☐ N/A

Aisles and corridors are free of obstruction and tripping hazards.

☐ Yes ☐ No ☐ N/A

The floor is in good condition.

☐ Yes ☐ No ☐ N/A

Food and beverages are not consumed and cosmetics not applied in the laboratory.

☐ Yes ☐ No ☐ N/A

Doors locked when the lab not in use?

☐ Yes ☐ No ☐ N/A

Chemicals are not discarded into waste baskets or sink drains.

### Radiation Lab Postings

☐ Yes ☐ No ☐ N/A

105CMR 120.000 is present MPH RAD Right to Know

☐ Yes ☐ No ☐ N/A

MRCP 120.175-1 is present.

☐ Yes ☐ No ☐ N/A

CAUTION RAM sign is present.

☐ Yes ☐ No ☐ N/A

Controlled Area sign is present.

### Personal Protective Equipment (PPE)

☐ Yes ☐ No ☐ N/A

All laboratory occupants wear the appropriate eye and/or face protection.

☐ Yes ☐ No ☐ N/A

The protective eyewear meets ANSI standard, Z87.1, as required.

☐ Yes ☐ No ☐ N/A

All laboratory occupants wear appropriate laboratory coats and aprons as needed.

☐ Yes ☐ No ☐ N/A

All laboratory occupants wear appropriate gloves as needed.

☐ Yes ☐ No ☐ N/A

Laboratory visitors are required to wear personal protective equipment as needed.

### General Safety Procedures

☐ Yes ☐ No ☐ N/A

Shorts and open-toed shoes are prohibited without a laboratory coat and foot coverings.

☐ Yes ☐ No ☐ N/A

Loose clothing and long hair is confined to prevent contact with chemicals and equipment.

### Chemical Safety

☐ Yes ☐ No ☐ N/A

Acutely hazardous chemicals outdated.

Print Date: 11/18/2005

(All "NO" answers are to be fully explained.)  
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## Chemical Safety

- |   |   |
|---|---|
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | All chemical containers are properly labeled.   |
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | All chemicals are stored compatibly.  |
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Flammable liquid storage is kept to an absolute minimum.                              |
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Flammable liquids are stored in approved flammable storage cabinets or refrigerators. |
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Chemicals are not placed or stored on the floor.                                      |
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | All hazardous, toxic, and odiferous chemicals are used in approved fume hoods.        |
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Acutely hazardous chemicals are used with appropriate safeguards.                     |

## Biological Waste

- |   |  |
|---|--|
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Sharps are disposed of in sharps containers.   |
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Cultures and stocks are chemically disinfected or autoclaved before disposal.                                    |
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | All biohazard identifiers are removed or covered before disposal.  |
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Lab has necessary materials to properly label sharps containers, medical waste and animal carcasses for pick up. |

## Chemical Waste

- |   |   |
|---|---|
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Chemical waste is located in a properly identified area.                                    |
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | The chemical waste label clearly identifies the chemical constituents and specific hazards. |
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Chemical waste containers are closed and in good condition.                                 |
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Secondary containment is used properly.   |
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Hazardous waste is checked weekly.  |
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Waste requests have been submitted for full containers.                                     |

## Fume Hood and Exhaust Systems

- |   |   |
|---|---|
| <input type="checkbox"/>  | Repair WO Date  |
| <input type="checkbox"/>  | Repair WO Done Date   |
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Chemical fume hoods and/or bio-safety cabinets have been properly tested. |
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Chemical fume hoods are being used at proper sash heights.                |
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Chemical fume hoods are not used for storage unless so designated.        |
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Fume hood lights are working.   |
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Fume hood or bio-safety cabinet tested within one year.                   |
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Fume hood is being used for research.                                     |

## Gas Cylinders

- |   |   |
|---|---|
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Gas cylinders are stored compatibly.                                      |
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | All gas cylinders are properly capped or have regulators.                 |
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | All gas cylinders are properly secured to a stationary bench or wall.     |
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | All flammable gas cylinders are located away from doors.                  |
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | All gas cylinders are located away from electric panels or outlets.       |
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Extremely poisonous gases are used in approved gas cylinder cabinets.     |
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Gas cylinders are transported on appropriate carts with straps or chains. |

## Refrigerators

- |   |  |
|---|--|
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Flammable liquids are not stored in non-explosion proof refrigerators. |
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Food and beverages are not stored in laboratory refrigerators.         |
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Refrigerators are clean and maintained.                                |
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Freezer are defrosted and clean.                                       |

## Electrical Safety

- |   |   |
|---|---|
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | All electrical equipment is properly grounded.                        |
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | All electrical cords are in good condition, without splice or defect. |

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- |   |  |
|---|--|
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Electrical outlets are prohibited within chemical fume hoods.                          |
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | The electric panel breakers and fuses are properly labeled.                            |
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Electrical cords do not pass through ceilings, doors, or walls.                        |
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Electrical cords are not draped across the laboratory floor.                           |
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Flammable liquids are not potentially near electric ignition sources.                  |
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Acids do not come into close contact with electric ignition sources.                   |
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Guards are provided for all moving parts of electrical equipment (i.e., vacuum pumps). |

### Training

- |   |   |
|---|---|
| <input type="checkbox"/> Yes <input type="checkbox"/> No                              | Laboratory personnel have undergone safety training and specific training in the procedures conducted in the lab. |
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | The laboratory has the Laboratory Health and Safety Manual.   |
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | MSDS sheets are available.  |